STIC Search Report

EIC 2100

USPTO

TO: Gwen Liang
Location: RND 3B11
Art Unit : 2162
Tuesday, December 13, 2005

Case Serial Number: 10/821687

From: Geoffrey St. Leger
Location: EIC 2100
Randolph-4B31
Phone: 23450

geoffrey.stleger@uspto.gov

Search Notes

Dear Examiner Liang,

Attached please find the results of your search request for application 10/821687. I searched Dialog's foreign patent files and non-patent literature files.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger
4B31/x23540

sira
Search and Information
Resources Administration

Set	Items	Description
S1	2490	SERIALIZ?????? OR SERIALIS?????? OR MARSHAL????
S2	48	S1(5N)(FORMAT? ? OR TEMPLATE? ? OR LAYOUT? ? OR STYLESHEET? ? OR STYLE()SHEET? ? OR RULE? ? OR PROFILE? ?)
S3	47217	HEADER? ?
S4	2011388	PAYLOAD? ? OR PAY()LOAD? ? OR BODY OR PDU? ? OR PROTOCOL()-DATA()UNIT? ?
S5	14471	(TYPE? ? OR KIND? ?)(3N)FIELD? ?
S6	3938	(LENGTH OR SIZE)(3N)FIELD? ?
S7	110436	(SIZE OR LENGTH)(5N)(VARIABLE OR VARIE? ? OR VARY??? OR DYNAMIC OR DIFFERENT OR CHANG??? OR VARIOUS OR ASSORTED)
S8	148354	S4(10N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S9	1972	LARGE(1W)OBJECT? ? OR LOBS OR LONG()FIELD? ?
S10	1023793	NESTED OR COLLECTION OR LINKED OR JOINED OR RELATED OR INTERRELATED OR INTERCONNECTED OR HIERARCH? OR TREE OR PARENT()CHILD OR (DIRECTORY OR FOLDER)(1W)STRUCTURE? ?
S11	0	S1 AND S8
S12	1	S8 AND S5 AND S6
S13	1	PN=US 20050234986
S14	26575	(TYPE OR KIND)(7N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S15	32858	(LENGTH OR SIZE)(7N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S16	0	S1 AND S14 AND S15
S17	13	S1 AND S14:S15
S18	27	S3 AND S4 AND S14:S15
S19	1	S3 AND S4 AND S14 AND S15
S20	14	S17 OR S19
S21	5	S2 AND S3:S7
S22	19	S20:S21

```
Set      Items    Description
S1       15654    SERIALIZ?????? OR SERIALIS?????? OR MARSHAL????
S2         407    S1(5N)(FORMAT? ? OR TEMPLATE? ? OR LAYOUT? ? OR STYLESHEET?
                     ? OR STYLE()SHEET? ? OR RULE? ? OR PROFILE? ?)
S3       51025    HEADER? ?
S4       16477    PAYLOAD? ? OR PAY()LOAD? ?
S5       22580    (TYPE? ? OR KIND? ?)(3N)FIELD? ?
S6       16431    (LENGTH OR SIZE)(3N)FIELD? ?
S7      191210    (SIZE OR LENGTH)(5N)(VARIABLE OR VARIE? ? OR VARY??? OR DY-
                     NAMIC OR DIFFERENT OR CHANG??? OR VARIOUS OR ASSORTED)
S8         269    S1(10N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S9        8061    LARGE(1W)OBJECT? ? OR LOB OR LOBS
S10     668593    IMAGE? ? OR MOVIE? ? OR GRAPHIC? ? OR VIDEO? ? OR ANIMATIO-
                     N? ? OR MOVIE? ? OR MULTIMEDIA OR AUDIO OR MP3? ? OR SOUND OR
                     MUSIC OR SONG? ?
S11     931536    NESTED OR COLLECTED OR LINKED OR JOINED OR RELATED OR INTE-
                     RRELATED OR INTERCONNECTED OR HIERARCH? OR TREE OR PARENT()CH-
                     ILD OR (DIRECTORY OR FOLDER)(1W)STRUCTURE? ?
S12        542    S4(10N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S13          5    S3(50N)S12(50N)S5(50N)S6
S14         35    S3(50N)S12(50N)(TYPE OR KIND)(50N)(LENGTH OR SIZE)
S15         12·   S3(50N)S1(50N)S5(50N)S6
S16         18    S1(50N)S3(50N)S4(50N)(TYPE OR KIND)(50N)(LENGTH OR SIZE)
S17          3    S1(50N)S12
S18         58    S13:S17
S19         58    IDPAT (sorted in duplicate/non-duplicate order)
S20     551024    BODY
S21      71711    S20(10N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S22          3    S3(50N)S21(50N)S5(50N)S6
S23         24    S3(50N)S21(50N)(TYPE OR KIND)(50N)(LENGTH OR SIZE)
S24          5    S1(50N)S21
S25         28    S22:S24
S26         27    S25 NOT S19
S27         27 ,  IDPAT (sorted in duplicate/non-duplicate order)
S28          6    S2(50N)S3(50N)(S4 OR S20)
S29       3731    PDU? ? OR PROTOCOL()DATA()UNIT? ?
S30        182    S29(10N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S31          1    S3(50N)S30(50N)S5(50N)S6
S32         10    S3(50N)S30(50N)(TYPE OR KIND)(50N)(LENGTH OR SIZE)
S33          0    S1(50N)S30
S34         10    S31:S32
S35         22    S1(50N)S9
S36     566630    PAYLOAD? ? OR PAY()LOAD? ? OR BODY OR PDU? ? OR PROTOCOL()-
                     DATA()UNIT? ?
S37         11    S3(50N)S36(50N)S9
S38         32    S35 OR S37
S39        211    (TYPE OR KIND)(10N)S9
S40        346    (LENGTH OR SIZE)(10N)S9
S41         14    S39(50N)S40
S42         45    S38 OR S41
S43         45 '  IDPAT (sorted in duplicate/non-duplicate order)
S44        198    LONG()FIELD? ?
S45          0    S1(50N)S44
S46          7    S3(50N)S36(50N)S44
S47         28    (TYPE OR KIND)(10N)S44
S48         13    (LENGTH OR SIZE)(10N)S44
S49          4    S47(50N)S48
S50         10    S46 OR S49
S51        555    S5(10N)S11
S52        288    S6(10N)S11
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S53          0    S3(50N)S36(50N)S51(50N)S52
S54          0    S1(50N)S51(50N)S52
S55     169561    NESTED OR COLLECTION
S56      31797    (TYPE OR KIND)(10N)S55
S57       6003    (LENGTH OR SIZE)(10N)S55
S58          2    S3(50N)S36(50N)S56(50N)S57
S59         15    (S3 OR S36)(50N)S55(50N)S1
```

protocols that utilize the record protocol 11S2, including the
application data protocol. Accordingly, in the case of transmitting the
RTP packet by use of SSL, the **header** and the payload in their entirety
are encrypted and mapped into the **payload** 24 of the **record** protocol
data.
   When the **header** of the record protocol is added to such an encrypted
version of the whole RTP packet or the RTP packet, it is impossible to
perform RTP **header** compression during transmission. That is, since the
header compression is performed collectively for the RTP **header** , the
UDP **header** and the IP **header** arranged one after another as depicted
in Fig. 2, if a record protocol **header** 10 is inserted between the RTP
header and the UDP **header** , they cannot collectively be
data-compressed. For this reason, the application of SSL/WTSL to the RTP
. . .

   19/3,K/16   (Item 16 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01409004
UMTS protocol frame format to support quality of service
Rahmenformat des UMTS Protokolls zur Unterstutzung von Dienstqualitaten
Format de trame de protocole UMTS pour supporter la qualite de service
PATENT ASSIGNEE:
   LUCENT TECHNOLOGIES INC., (2143720), 600 Mountain Avenue, Murray Hill,
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   Medapalli, Kameswara Rao, 701 Knollwood drive, Middletown, NJ 07748, (US)
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LEGAL REPRESENTATIVE:
   Watts, Christopher Malcolm Kelway, Dr. et al (37391), Lucent Technologies
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PATENT (CC, No, Kind, Date):   EP 1191750 A1   020327 (Basic)
                               EP 1191750 B1   031217
APPLICATION (CC, No, Date):   EP 2001303127 010402;
PRIORITY (CC, No, Date): US 666809 000921
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04L-012/56; H04L-029/06
ABSTRACT WORD COUNT: 92
NOTE:
   Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200213	321
CLAIMS B	(English)	200351	312
CLAIMS B	(German)	200351	249
CLAIMS B	(French)	200351	399
SPEC A	(English)	200213	2271
SPEC B	(English)	200351	2240
Total word count - document A			2592
Total word count - document B			3200
Total word count - documents A + B			5792

...SPECIFICATION downlink (from an RNC to an NB) data frames. Each data
   frame (uplink or downlink) comprises a **header** portion and a payload
   portion (also referred to as a protocol data unit (PDU)), and supports
   multiplexing a number of DCHs in the **payload** portion. Each DCH
   comprises transport blocks (TBs), which are the **basic** units used to
   convey data. The **size** and number of TBs in each DCH of a data frame is

identified by an associated transport format indicator (TFI) in the **header** portion of the data frame. It should also be noted that these DCH FP procedures also apply...

...association of a TFI field with each DCH in a UTRAN data frame for specifying, effectively, the **size** of each DCH in the payload portion of the data frame, we have realized that it is...

...invention, a node of a UTRAN based network formats data into a UTRAN data frame comprising a **header** portion, a payload portion and a quality of service field associated with the payload portion for transmission...

...field of a UTRAN data frame (uplink or downlink) is used to convey a four bit payload **type** indicator and a four bit QoS class indicator.

DIALOG(R)File 348:EUROPEAN PATENTS

00752076
Device and method for the connection of a personal computer to an ATM network
Apparat und Methode fur die Verbindung eines Personalcomputers an ein ATM-Netzwerk
Appareil et methode pour la connection d'un ordinateur personnel a un reseau ATM
PATENT ASSIGNEE:
  ITALTEL SOCIETA ITALIANA TELECOMUNICAZIONI s.p.a., (406990), P.le
    Zavattari, 12, I-20149 Milano, (IT), (applicant designated states:
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  Zizza, Fabrizio, Via Ravenna, 21, I-28100 Novara, (IT)
LEGAL REPRESENTATIVE:
  Giustini, Delio (47616), Siemens Information and Communication Networks
    S.p.A. Palazzo Gorky Via Monfalcone, 1, 20092 Cinisello Balsamo, (IT)
PATENT (CC, No, Kind, Date): EP 708574 A2 960424 (Basic)
                              EP 708574 A3 980909
APPLICATION (CC, No, Date):   EP 95115115 950926;
PRIORITY (CC, No, Date): IT 94MI2140 941020
DESIGNATED STATES: DE; FR; NL; SE
INTERNATIONAL PATENT CLASS: H04Q-011/04;
ABSTRACT WORD COUNT: 120

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1695
SPEC A	(English)	EPAB96	5842
Total word count - document A			7537
Total word count - document B			0
Total word count - documents A + B			7537

...SPECIFICATION Each element of such matrix represents a bit.
    The primitive IMP is divided in two parts, the **header**
HD(underscore)IMP and the payload PL(underscore)IMP.
    The header HD(underscore)IMP comprises the first five lines (40 bits)
of the primitive IMP.
    The bits 0-1 of the **header** HD(underscore)IMP contain a field ENDOFSEQ
indicating if the primitive IMP carries an intermediate or final cell of
the ATM cell sequence setting up a message.
    The bits 2-4 of the **header** HD(underscore)IMP contain a field
WHEREFROM indicating the module which has issued the message.
    The bits 5-7 of the **header** HD(underscore)IMP contain a field WHERETO
indicating the module which has received the message.
    The bits 8-11 of the **header** HD(underscore)IMP contain a field REQTYPE
indicating the **Type** of request has been made to the receiving module.

    The bits 12-23 of the **header** HD(underscore)IMP contain a field
REFERENCE indicating the ATM connection.
    Finally the bits 24-39 of the **header** HD(underscore)IMP contain a
field **LENGTH** indicating the **length** of the message contained in the
payload part PL(underscore)IMP of the **primitive** IMP.
    The **payload** part PL(underscore)IMP comprises a number N of lines of
the primitive IMP representing the message PARAMETER to be transferred.
Inside the message PARAMETER other service data is contained such as
CRC, **length** of the individual data fields, etc.
    The meaning of the individual fields of the intermodule primitive will

...a flowchart showing the process according to the present invention by which a data packet of variable **length** generated by a software programme on a personal computer PC is transmitted on the ATM-SW network

102. The Next **Header** and Hdr Ext Len fields of the Hop-by-Hop Options
extension **header** 102 are omitted for clarity. The IP address of the CN
is included in a Type-Length
Value (TLV) encoded option in the Hop-by-Hop Options extension **header**
102. Thus, a suitable Options **Type** number (8-bits) 106 is used to
identify the
type of option (ie the specification of the...

...tunnelled via the MN's HA) followed by the Option Data Length 108 (which
depends on the **length** of the CN address) followed by the Option Data
itself ie the CN address 1 1 0...

 19/3,K/40   **(Item 40 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

01068566   **Image available**
NETWORK INTERFACE FOR DISTRIBUTED INTELLIGENCE DATABASE SYSTEM
INTERFACE RESEAU POUR SYSTEME DE BASE DE DONNEES D'INTELLIGENCE REPARTIES
Patent Applicant/Assignee:
  NETEZZA CORPORATION, 200 Crossing Boulevard, Framingham, MA 01702-4480,
    US, US (Residence), US (Nationality), (For all designated states
    except: US)
Patent Applicant/Inventor:
  HINSHAW Foster D, 22 Campbell Park, Somerville, MA 02144, US, US
    (Residence), US (Nationality), (Designated only for: US)
  ALMY Steven T, 4 Andrews Street, Westborough, MA 01581, US, US
    (Residence), US (Nationality), (Designated only for: US)
  UTTER David A, 36 Stagecoach Road, Princeton, MA 01541, US, US
    (Residence), US (Nationality), (Designated only for: US)
  ZANE Barry M, 4 Cobblestone Circle, Wayland, MA 01778, US, US (Residence)
    , US (Nationality), (Designated only for: US)
Legal Representative:
  THIBODEAU Jr David J (et al) (agent), Hamilton, Brook, Smith & Reynolds,
    P.C., 530 Virginia Road, P.O. Box 9133, Concord, MA 01742-9133, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200398476 A1 20031127 (WO 0398476)
  Application: WO 2003US14518 20030509 (PCT/WO US0314518)
  Priority Application: US 2002145564 20020513
Parent Application/Grant:
  Related by Continuation to: US 2002145564 20020513 (CON)
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
  SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
  SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 10025

Fulltext Availability:
  Detailed Description

Detailed Description
  ... may be referred to as the "payload" for that packet. It should be
  noted that the packet **size** may be a function of the network protocols
  used in a particular implementation. A packet may contain a partial

record, a single record, or many records, depending on the **size** of the records and the allowable payload **size** . A zero pad section 214 may be required to fill out one or more packets for protocols which require a minimum packet **size** . If, on the 5 other hand, a record set result is too large to be transmitted in...

...data be transmitted properly via a conventional internetworking infrastructure 130 that includes standardized routers and switchers, appropriate **header** and trailer information must be added to the payload as required by the network protocols in use...

...5 layer protocol. A second block 220 is then set aside in the memory 153 for storing **headers** associated with each of these communication protocol layers.

A portion 223 of **header** block 220 is used for storing **header** information
specific to an application layer. This application **header** 223 may, for example, indicate information consisting of data **type** , a destination identifier, a sender identifier, a return idenfifier, a release flag, and a reliability flag. The data **type** parameter, for example, may indicate that the **payload** consists of a **record** set of a specific, integral number of database records. Other data types may be used such as...

...data, data files, binary objects, XML, or control messages being passed at the application layer. One possible **header** block forniat is discussed in more detailed below in connection with Fig. 5.

A destination identifier indicates...Fig. 6. Here a packet is received at the central database processor 1 10. The application layer **header** is seen to contain a release memory flag 40 1, return address flag 402, reliability flag 403, payload **type** flag 404, query priority flag 405 and query identifier 406. A Touting table 450 is maintained in...

...routing table 450 to determine which process a packet should be sent to.

As mentioned above, the **payload** may contain an integral number of **records** 5 so that the system may effectively stream records to the receiver. In the preferred embodiment, the packet **size** would typically be selected to be the smallest of the network layers' packet sizes among, for example...

...selected Ethernet, UDP, and IP sizes. Even though a network stack is not required, by maintaining conventional **headers** , the system may use conventional network switches. The system conforms I 0 packets to the **size** and format required by whatever network components are utilized.

00755454   **Image available**
METHOD AND APPARATUS IN A COMMUNICATION NETWORK
PROCEDE ET APPAREIL MIS EN OEUVRE DANS UN RESEAU DE COMMUNICATION
Patent Applicant/Assignee:
   TELEFONAKTIEBOLAGET L M ERICSSON (publ), SE-126 25 Stockholm, SE, SE
      (Residence), SE (Nationality)
Inventor(s):
   BRANDT Toni, Kvarnhagsvagen 135, S-145 60 Norsborg, SE
   HAGGBLAD Par, Djakneg. 9:650, S-754 23 Uppsala, SE
   JONSSON Jonas, Hjortvagen 26, S-178 32 Ekero, SE
   JANDEL Magnus, Varvagen 10, S-194 60 Upplands Vasby, SE
   KARLSSON Krister, Lindhagensgatan 69, S-112 43 Stockholm, SE
   KARLSSON Roland, Drakenbergsg. 3 IV, S-117 21 Stockholm, SE
   LONNBERG Emanuel, Djakneg. 19:510, S-754 23 Uppsala, SE
   OSBORNE Stuart, Cedergrensv. 27, S-122 63 Hagersten, SE
   STENHOFF Martin, Solhems Hagvag 90, S-163 56 Spanga, SE
Legal Representative:
   BERG S A, Albihns Patentbyra Stockholm AB, P.O. Box 5581, S-114 85
      Stockholm, SE
Patent and Priority Information (Country, Number, Date):
   Patent: WO 200068864 A1 20001116 (WO 0068864)
   Application: WO 2000SE932 20000510 (PCT/WO SE0000932)
   Priority Application: SE 991694 19990510; US 99307712 19990510
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
   AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES
   FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
   LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
   TZ UA UG UZ VN YU ZA ZW
   (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
   (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
   (AP) GH GM KE LS MW SD SL SZ TZ UG ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 20647

Fulltext Availability:
   Detailed Description

Detailed Description
... 1) compound ATP packet 2) regular ATP packet.
   A compound ATP packet comprises a of a Source **Header** and several
   regular ATP packets. The Source Header comprises the following fields.

   1) Application session identifier
   2...

...header, an ATP optional header, an optional ATP Target Header and an ATP
   Content Packet.

   The ATP **header** may include the following fields.

   1) A **Type** Field, which is a set of flacrs indicating the **type** of the
   Content Packet and the presence of optional fields in the Content Packet.
   Content packet types...

...object or stream object. The intended
   C@ lt@
   receiver of a messaae can be indicated in the **Type** Field.

2) A flacy indicating if the ATP packet is sent in the reliable or the unreliable mode
3) A flag indicating if a Target **Header** is present
Cr
4) A set of fla s the presence and content of the ATP optional **header** .

5) A field indicating the **size** of the content packet
4-1
The ATP optional **header** consists of the following optional fields.

1) session identifier
2) client identifier
3) object identifier
The ATP optional **header** is used for identifying the Content Packet. The application **payload** that is associated with a **basic** object might e.g. be sent in the Content Packet. The ATP optional **header** is used for identifying the the basic object using the relative addressing system that is described below.

C@
The ATP taraet **header** TH is used for direct addressincy of ATP packets. The ATP address of the receiver is indicated in the ATP tarcret **header** . The first position in the TH is a byte that holds the **size** of the TH. The TH consists of an array of dynamic address fields that is either a...

and the log **body** of the current log **record** and writing the XOR result
into the location. Unlike the conventional physical logging scheme, there
is no...

27/3,K/8   **(Item 8 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
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01710444
Object-oriented enumerated type facility
Objektorientierte Aufzahlungstypeinrichtung
Arrangement de type enumere oriente objet
PATENT ASSIGNEE:
  Sun Microsystems, Inc., (2616592), 4150 Network Circle, Santa Clara,
    California 95054, (US), (Applicant designated States: all)
INVENTOR:
  Bloch, Joshua J., 1199 Cordelia Avenue, San Jose, CA 95129, (US)
  Gafter, Neal M., 6370 Tucker Drive, San Jose, CA 95129, (US)
LEGAL REPRESENTATIVE:
  Davies, Simon Robert (75453), D Young & Co, 21 New Fetter Lane, London,
    EC4A 1DA, (GB)
PATENT (CC, No, Kind, Date): EP 1400895 A2 040324 (Basic)
APPLICATION (CC, No, Date):   EP 2003255511 030903;
PRIORITY (CC, No, Date): US 237941 020909
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
  HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK
INTERNATIONAL PATENT CLASS: G06F-009/44
ABSTRACT WORD COUNT: 101
NOTE:
  Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200413	946
SPEC A	(English)	200413	3291
Total word count - document A			4237
Total word count - document B			0
Total word count - documents A + B			4237

...SPECIFICATION class. Static methods and fields declared in
  constant-specific class bodies are never accessible outside the class
  body in which they are declared.
    In addition to the **members** it inherits from Enum, the enum class has
  a public static final "self-typed" field for each...

...classes may not be instantiated using new, may not be cloned, and take
  full control of the **serialization** and de- **serialization** process. This
  ensures that no instances exist beyond those made available via the
  aforementioned fields. Because there...

27/3,K/9   **(Item 9 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01414253
Dynamic class loading
Dynamische Klassenladung
Chargement dynamique de classes
PATENT ASSIGNEE:
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    (Applicant designated States: all)

INVENTOR:
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LEGAL REPRESENTATIVE:
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      5400 Baden, (CH)
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200215	587
SPEC A	(English)	200215	2683
Total word count - document A			3270
Total word count - document B			0
Total word count - documents A + B			3270

...SPECIFICATION five forms of message body. Each form is defined by a
message interface:
* StreamMessage - a message whose **body** contains a stream of Java
primitive values.
* MapMessage - a message whose **body** contains a set of name-value pairs
where names are strings and values are Java **primitive** types.
* TextMessage - a message whose **body** contains a text string. This
message type is intended transferring extended markup language (XML)
files.
* ObjectMessage - a message that contains a **serializable** Java object or
a collection of Java objects.
* BytesMessage - a message that contains a stream of uninterpreted...

01118497
UNIVERSAL MESSAGING SYSTEM
UNIVERSELLES BENACHRICHTIGUNGSSYSTEM
SYSTEME DE MESSAGERIE UNIVERSELLE
PATENT ASSIGNEE:
  UNISYS CORPORATION, (842794), Township Line and Union Meeting Roads P.O.
    Box 500, Blue Bell, PA 19424-0001, (US), (Proprietor designated states:
    all)
INVENTOR:
  LUZESKI, Nicholas, M., 288 Vincent Road, Paoli, PA 19301, (US)
  MURPHY, Allie, A., 222 Joseph's Way, Frazer, PA 19355, (US)
  HOMAN, John, L., 956 Clearview Avenue, Ephrata, PA 17522, (US)
  RUSSELL, Gary, Paul, 670 Coates Lane, King of Prussia, PA 19406-2560,
    (US)
LEGAL REPRESENTATIVE:
  Modiano, Guido, Dr.-Ing. et al (40786), Modiano, Josif, Pisanty & Staub,
    Baaderstrasse 3, 80469 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1086570 A1   010328 (Basic)
                              EP 1086570 B1   020904
                              WO 99065216   991216
APPLICATION (CC, No, Date):   EP 99926146 990603; WO 99US12318   990603
PRIORITY (CC, No, Date): US 94266 980609
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: H04M-007/00; H04L-012/58; H04L-029/06;
  H04M-003/50
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200236	472
CLAIMS B	(German)	200236	450
CLAIMS B	(French)	200236	600
SPEC B	(English)	200236	10781
Total word count - document A			0
Total word count - document B			12303
Total word count - documents A + B			12303

...SPECIFICATION and acting on the multimedia content message requires a
  change to the standard messaging client's message **header** handling logic
  that will cause the client to recognize message types beginning with
  BLT:UMSCONTENT.
    Upon discovering..."
...This information is used to provide customized presentation and handling
  of the content embedded in the message **body** . The custom client must
  should logic to handle all of the types of content that can be
  transported in the multimedia content container.

  D. Web Server for **Large   Objects**
    Another aspect of the present invention concerns an inventive method
  and apparatus for speeding the transfer of **large** data **objects** in a
  Universal Messaging system. The system of Figure 1 integrates an e-mail
  messaging system with...

00469796
BOUNDED-PAUSE TIME GARBAGE COLLECTION SYSTEM AND METHOD INCLUDING WRITE

00885466   **Image available**
SYSTEM AND METHOD FOR TRANSMITTING AND RETRIEVING DATA VIA A DISTRIBUTED PERSISTENCE FRAMEWORK
SYSTEME ET PROCEDE DE TRANSMISSION ET D'EXTRACTION DE DONNEES PAR L'INTERMEDIAIRE D'UN CADRE DE PERSISTANCE REPARTI
Patent Applicant/Inventor:
  VENKATARAMAIAH Ramesh, 5312 Carnaby Street #241, Irving, TX 75038, US, US
     (Residence), IN (Nationality)
  HAROLD Michael D, 1119 Janther Place, Shreveport, LA 71104, US, US
     (Residence), US (Nationality)
Legal Representative:
  VAN DYKE Raymond (et al) (agent), Dorsey & Whitney LLP, 1001 Pennsylvania
     Avenue, N.W., Suite 300 South, Washington, DC 20004, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200219652 A2-A3 20020307 (WO 0219652)
  Application: WO 2001US26799 20010828 (PCT/WO US0126799)
  Priority Application: US 2000228597 20000828
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
  TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4285

Fulltext Availability:
  Detailed Description

Detailed Description
... methodology illustrated in FIGURE 2, upon leaving the translation
   program 230, the object may be, if necessary, **serialized** into a bit
   stream and stored as a binary **large object** (BLOB) or a **large
   object** (**LOB**). The form in which the data is stored or retrieved will
   depend on a variety of factors...

01414253
Dynamic class loading
Dynamische Klassenladung
Chargement dynamique de classes
PATENT ASSIGNEE:
  ABB RESEARCH LTD., (1524501), Affolternstrasse 52, 8050 Zurich, (CH),
    (Applicant designated States: all)
INVENTOR:
  Fabri, Andreas, Chemin de la Halte 18, 06130 Le Plan de Grasse, (FR)
  Holle, Jorg, Segelhofstrasse 32d, 5405 Baden-Dattwil, (CH)
  Auf der Maur, Dominik, Luisenstrasse 4, 8005 Zurich, (CH)
  O'Reilly, Cheryl, 3408 Michelle Ct.,, Niagara Falls, ON L2H 3E7, (CA)
LEGAL REPRESENTATIVE:
  ABB Patent Attorneys (101541), c/o ABB Schweiz AG Brown Boveri Strasse 6,
    5400 Baden, (CH)
PATENT (CC, No, Kind, Date): EP 1195677 A1 020410 (Basic)
APPLICATION (CC, No, Date):   EP 2000810925 001006;
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-009/54
ABSTRACT WORD COUNT: 160
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200215	587
SPEC A	(English)	200215	2683
Total word count - document A			3270
Total word count - document B			0
Total word count - documents A + B			3270

...SPECIFICATION JVM and/or a class server are clients of a JMS.
  JMS provides five forms of message **body** . Each form is defined by a
message interface:
* StreamMessage - a message whose **body** contains a stream of Java
primitive values.
* MapMessage - a message whose **body** contains a set of name-value pairs
where names are strings and values are Java primitive types.
* TextMessage - a message whose **body** contains a text string. This
message type is intended transferring extended markup language (XML)
files.
* ObjectMessage - a message that contains a **serial**izable Java object or
a **collection** of Java objects.
* BytesMessage - a message that contains a stream of uninterpreted bytes.

  According to the invention...

 59/3,K/7   (Item 2 from file: 349)

01245660   **Image available**
SYSTEM FOR OPTIMIZING APPLICATION START-UP
SYSTEME D'OPTIMISATION DU LANCEMENT D'UNE APPLICATION
Patent Applicant/Assignee:
  LASZLO SYSTEMS INC, 2600 Campus Drive - Suite 200, San Mateo, CA 94403,
    US, US (Residence), US (Nationality), (For all designated states

```
File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
        (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200579
        (c) 2005  Thomson Derwent

Set     Items    Description
S1       2490    SERIALIZ?????? OR SERIALIS?????? OR MARSHAL????
S2         48    S1(5N)(FORMAT? ? OR TEMPLATE? ? OR LAYOUT? ? OR STYLESHEET?
                    ? OR STYLE()SHEET? ? OR RULE? ? OR PROFILE? ?)
S3      47217    HEADER? ?
S4    2011388    PAYLOAD? ? OR PAY()LOAD? ? OR BODY OR PDU? ? OR PROTOCOL()-
                    DATA()UNIT? ?
S5      14471    (TYPE? ? OR KIND? ?)(3N)FIELD? ?
S6       3938    (LENGTH OR SIZE)(3N)FIELD? ?
S7     110436    (SIZE OR LENGTH)(5N)(VARIABLE OR VARIE? ? OR VARY??? OR DY-
                    NAMIC OR DIFFERENT OR CHANG??? OR VARIOUS OR ASSORTED)
S8     148354    S4(10N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S9       1972    LARGE(1W)OBJECT? ? OR LOBS OR LONG()FIELD? ?
S10   1023793    NESTED OR COLLECTION OR LINKED OR JOINED OR RELATED OR INT-
                    ERRELATED OR INTERCONNECTED OR HIERARCH? OR TREE OR PARENT()C-
                    HILD OR (DIRECTORY OR FOLDER)(1W)STRUCTURE? ?
S11        36    S2 AND IC=(G06F OR H04L OR H04N OR H04M)
S12         3    S11 AND S3:S4
S13         1    S11 AND S5:S6
S14         8    S2 AND S9:S10
S15        10    S12:S14
S16        40    S4(10N)S9
S17         0    S3 AND S16
S18         0    S1 AND S16
S19        21    (TYPE OR KIND)(10N)S9
S20       120    (LENGTH OR SIZE)(10N)S9
S21         4    S19 AND S20
S22         0    S1 AND S19:S20
S23     33447    S4(10N)S10
S24         0    S1 AND S23
S25       108    (S3 OR S5:S6) AND S23
S26      3588    S4(10N)(NESTED OR COLLECTION)
S27        13    (S3 OR S5:S6) AND S26
```

15/5/1   (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

07400571   **Image available**
DOCUMENT MANAGEMENT SYSTEM AND PROGRAM

PUB. NO.:   2002-269073 [JP 2002269073 A]
PUBLISHED: September 20, 2002 (20020920)
INVENTOR(s):   IMASATO SHO
APPLICANT(s): RICOH CO LTD
APPL. NO.:   2001-071473 [JP 200171473]
FILED: March 14, 2001 (20010314)
INTL CLASS: G06F-017/21; G06F-012/00

ABSTRACT

PROBLEM TO BE SOLVED: To generate a client which can easily operate
document information.

SOLUTION: A document serializing means 22 generates a serialized document
by converting document information **hierarchically** managed by a document
managing means 21 into one stream in a specified **format** . A **serialized**
document filing means 23 expands the generated serialized document on a
file system in the form of a combination of a directory and a file.
COPYRIGHT: (C)2002,JPO

15/5/4   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016282855   **Image available**
WPI Acc No: 2004-440750/200441
XRPX Acc No: N04-348733
   Forward chaining inferencing method, involves producing serialized
   rulebase by ordering rules **in accordance with sequentially ordered**
   facts from serialized fact dependency tree
Patent Assignee: SOFTLAW CORP LTD (SOFT-N)
Inventor: BARRY A
Number of Countries: 108 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200444840	A1	20040527	WO 2003AU1524	A	20031113	200441	B
AU 2003200039	B1	20030501	AU 2003200039	A	20030107	200445	
AU 2003275806	A1	20040603	AU 2003275806	A	20031113	200470	
EP 1570427	A1	20050907	EP 2003810917	A	20031113	200559	
			WO 2003AU1524	A	20031113		
US 20050240546	A1	20051027	WO 2003AU1524	A	20031113	200571	
			US 2005908495	A	20050513		

Priority Applications (No Type Date): AU 2002952648 A 20021114
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200444840 A1 E 34 G06N-005/04
   Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ
   CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
   IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
   NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA
   UG US UZ VC VN YU ZA ZM ZW
   Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR
   GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR
   TZ UG ZM ZW
AU 2003200039 B1   G06F-017/30
AU 2003275806 A1   G06N-005/04   Based on patent WO 200444840

EP 1570427 · A1 E   G06N-005/04   Based on patent WO 200444840
    Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
    GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR
US 20050240546 A1   G06N-005/02   CIP of application WO 2003AU1524

Abstract (Basic): WO 200444840 A1
        NOVELTY - A computerized database storing fact dependency **tree**
    which includes used facts of respective rules is developed. The facts
    in the dependency **tree** are sequentially ordered to produce
    serialized fact dependency **tree** . The **rules** in the rulebase are
    ordered as same as .that of the sequentially ordered facts from
    serialized fact dependency **tree** , to produce a serialized rulebase.
        DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
    forward chaining inferencing system.
        USE - For inferencing the new facts describing an individual
    personal circumstances in a computer.
        ADVANTAGE - Provides high level of performance with high-speed
    memory. Minimizes the data required for inference cycle whenever input
    facts change.
        DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
    the linear inferencing method.
        pp; 34 DwgNo 8/14
Title Terms: FORWARD; CHAIN; METHOD; PRODUCE; SERIAL; ORDER; RULE; ACCORD;
    SEQUENCE; ORDER; FACT; SERIAL; FACT; DEPEND; **TREE**
Derwent Class: T01
International Patent Class (Main): G06F-017/30; G06N-005/02; G06N-005/04
International Patent Class (Additional): G06F-017/00
File Segment: EPI

  15/5/8   (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011217160   **Image available**
WPI Acc No: 1997-195085/199718
XRPX Acc No: N97-161179
  Computer system processing program code mechanism invocations for ORBs -
  includes program mechanisms which allow generic stubs to marshal and
  unmarshal data in object reference specific data formats and permits
  object applications to communicate with new object request broker with
  own unique data format
Patent Assignee: SUN MICROSYSTEMS INC (SUNM)
Inventor: HAMILTON G; KESSLER P B; LIM S B; NISEWANGER J D; RADIA S R
Number of Countries: 007 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 766172	A1	19970402	EP 96305456	A	19960725	199718	B
JP 9231076	A	19970905	JP 96276814	A	19960930	199746	
US 5737607	A	19980407	US 95534966	A	19950928	199821	
EP 766172	B1	20011017	EP 96305456	A	19960725	200169	
DE 69615978	E	20011122	DE 615978	A	19960725	200201	
			EP 96305456	A	19960725		

Priority Applications (No Type Date): US 95534966 A 19950928
Cited Patents: 1.Jnl.Ref; EP 501610; EP 604010; EP 643349
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
EP 766172   A1 E 17 G06F-009/46
    Designated States (Regional): DE FR GB IT NL
JP 9231076   A   13 G06F-009/44
US 5737607   A   15 G06F-015/16
EP 766172   B1 E   G06F-009/46
    Designated States (Regional): DE FR GB IT NL
DE 69615978   E   G06F-009/46   Based on patent EP 766172

protocol data units (PDU). A tunnel is established through an access
controlling intermediate system, by setting up a **nested** security
session whose **PDU** is encapsulated by **PDU** of primary session. The
encapsulated PDU is identified by its message **type field** .
   USE - For implementing security protocol for electronic services
supported through Internet.
   ADVANTAGE - Provides simple support for tunneling through access
controlling intermediate system.
   DESCRIPTION OF DRAWING(S) - The figure depicts tunneling supported
by nested sessions established by session layer security protocol
entity.
   pp; 55 DwgNo 12/16
Title Terms: SECURE; PROTOCOL; IMPLEMENT; SYSTEM; ELECTRONIC; SERVICE;
   SUPPORT; THROUGH; ESTABLISH; TUNNEL; THROUGH; ACCESS; CONTROL;
   INTERMEDIATE; SYSTEM; SET; UP; NEST; SECURE; SESSION
Derwent Class: T01; W01
International Patent Class (Main): H04L-009/12; H04L-012/22
International Patent Class (Additional): H04L-009/00; H04L-029/06
File Segment: EPI

   27/5/9   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

014295295   **Image available**
WPI Acc No: 2002-115998/200216
XRPX Acc No: N02-086553
   **Transferring synchronous transport modules via synchronous network
   involves passing transport frames including unaltered** header **regions as
   payloads in chain of new multiplex units**
Patent Assignee: ALCATEL (COGE)
Inventor: HEUER V
Number of Countries: 027 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1158710	A1	20011128	EP 2000440160	A	20000526	200216	B
CA 2348608	A1	20011126	CA 2348608	A	20010525	200216	
US 20020001308	A1	20020103	US 2001863321	A	20010524	200216	
EP 1158710	B1	20031105	EP 2000440160	A	20000526	200377	
DE 50004325	G	20031211	DE 504325	A	20000526	200382	
			EP 2000440160	A	20000526		

Priority Applications (No Type Date): EP 2000440160 A 20000526
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1158710	A1	G	15	H04J-003/16	

   Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
   LI LT LU LV MC MK NL PT RO SE SI

CA 2348608	A1	E		H04L-012/56	
US 20020001308	A1			H04L-012/56	
EP 1158710	B1	G		H04J-003/16	

   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
   LU MC NL PT SE

DE 50004325	G			H04J-003/16	Based on patent EP 1158710

Abstract (Basic): EP 1158710 A1
   NOVELTY - The method involves transferring the transport frames
   that are to be transferred, including their unaltered **header** regions,
   as the payload in a chain of newly formed multiplex units. A number of
   new multiplex units of equal size is formed and linked to make a chain
   of newly formed multiplex units.
   DETAILED DESCRIPTION - The method involves transferring the
   transport frames (STM-N) that are to be transferred, including their
   unaltered **header** regions, as the payload in a chain of newly formed

multiplex units. A number of new multiplex units (VC-4v) of equal size is formed and linked to make a chain of newly formed multiplex units, each transport frame is packed into the payload regions of the chained new multiplex units, at least one new transport frame is formed and new multiplex units **nested** units **payload** region and the new transport frame(s) is transmitted over the synchronous transport network. INDEPENDENT CLAIMS are also included for the following: a multiplexer for a synchronous digital transport network.

USE - For transferring a frame-structured synchronous multiplex signal via a synchronous digital transport network with multiplex units **nested** in a **payload** section according to a multiplex hierarchy.

ADVANTAGE - Enables current SDH or SONET based transport networks to be connected to synchronous digital sub-network s of private operators.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic representation of a multiplex structure for transferring synchronous transport modules for a SDH-based transport network

synchronous digital transport network (WAN)
transport module (STM-N)
new multiplex unit (VC-4v)
administrative unit group (AUG)

Set	Items	Description
S1	19536	SERIALIZ?????? OR SERIALIS?????? OR MARSHAL????
S2	157	S1(5N)(FORMAT? ? OR TEMPLATE? ? OR LAYOUT? ? OR STYLESHEET? ? OR STYLE()SHEET? ? OR RULE? ? OR PROFILE? ?)
S3	12109	HEADER? ?
S4	1399498	PAYLOAD? ? OR PAY()LOAD? ? OR BODY OR PDU? ? OR PROTOCOL()-DATA()UNIT? ?
S5	34674	(TYPE? ? OR KIND? ?)(3N)FIELD? ?
S6	29609	(LENGTH OR SIZE)(3N)FIELD? ?
S7	255089	(SIZE OR LENGTH)(5N)(VARIABLE OR VARIE? ? OR VARY??? OR DYNAMIC OR DIFFERENT OR CHANG??? OR VARIOUS OR ASSORTED)
S8	8905	S4(10N)(RECORD? ? OR PRIMITIVE? ? OR BASIC OR MEMBER? ?)
S9	4547	LARGE(1W)OBJECT? ? OR LOBS OR LONG()FIELD? ?
S10	4206450	NESTED OR COLLECTION OR LINKED OR JOINED OR RELATED OR INTERRELATED OR INTERCONNECTED OR HIERARCH? OR TREE OR PARENT()CHILD OR (DIRECTORY OR FOLDER)(1W)STRUCTURE? ?
S11	12	S2 AND S4
S12	9	RD (unique items)
S13	0	S2 AND S3
S14	1	S2 AND S5:S6
S15	571	S1 AND S4
S16	5	S1 AND S8
S17	4	RD (unique items)
S18	7	S1 AND S9
S19	7	RD (unique items)
S20	25578	S4(10N)S10
S21	16	S1 AND S20
S22	13	RD (unique items)
S23	57	(TYPE OR KIND)(10N)S9
S24	184	(SIZE OR LENGTH)(10N)S9
S25	3	S23 AND S24
S26	2	RD (unique items)
S27	32	S4(10N)S9
S28	21	RD (unique items)
S29	118	S9 AND (NESTED OR COLLECTION)
S30	2	S1 AND S29

26/5/1   (Item 1 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

02824335   E.I. Monthly No: EIM8911-044333
   Title: Uniform mechanism to support long fields and nested relations in database management systems.
   Author: Barnett, J. R.; Batory, D. S.
   Corporate Source: Univ of Texas, Dep of Computer Science, Austin, TX, USA
   Conference   Title: Proceedings of the Twenty-Second Annual Hawaii International Conference on System Sciences: Software Track
   Conference Location: Kailua-Kona, Hawaii, USA   Conference Date: 19890103
   E.I. Conference No.: 12333
   Source: Proceedings of the Hawaii International Conference on System Science v II (of 4). Publ by Western Periodicals Co, North Hollywood, CA, USA. Available from IEEE Service Cent (cat n 89THO243-6), Piscataway, NJ, USA. p 569-577
   Publication Year: 1989
   CODEN: PHISD7   ISSN: 0073-1129   ISBN: 0-8186-1912-0
   Language: English
   Document Type: PA; (Conference Paper)   Treatment: T; (Theoretical)
   Journal Announcement: 8911

   Abstract: Two seemingly distinct features of next-generation database management systems (DBMSs): long fields and nested relations. A **long field** contains an uninterpreted sequence of bytes of potentially enormous **length** . A nested relation is a relation that has relation-valued attributes; the nesting of relations can be arbitrarily deep. By elevating the semantics of long fields from a sequence of bytes to a sequence of instances of a (potentially complex) data **type** , the mechanisms for storing and retrieving nested relations and **long   fields** are equated. An implementation of these ideas in the context of the GENESIS extensible DBMS is described. 14 refs.
   Descriptors: *DATABASE SYSTEMS
   Identifiers: LONG FIELDS; NESTED RELATIONS; GENESIS EXTENSIBLE DBMS
   Classification Codes:
   723   (Computer Software)
   72   (COMPUTERS & DATA PROCESSING)

 26/5/2   (Item 1 from file: 34)
DIALOG(R)File   34:SciSearch(R) Cited Ref Sci
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08348771   Genuine Article#: 275ED   Number of References: 16
Title: Efficient handling of tuples with embedded large objects
Author(s): Dieker S (REPRINT) ; Guting RH
Corporate Source: FERNUNIV,/D-58084 HAGEN//GERMANY/ (REPRINT)
Journal: DATA & KNOWLEDGE ENGINEERING, 2000, V32, N3 (MAR), P247-269
ISSN: 0169-023X   Publication date: 20000300
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS
Language: English   Document Type: ARTICLE
Geographic Location: GERMANY
Subfile: CC ENGI--Current Contents, Engineering, Computing & Technology
Journal Subject Category: COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE;
    COMPUTER SCIENCE, INFORMATION SYSTEMS
Abstract: Modern database systems and storage manager toolkits usually
    provide a large object abstraction. Very often large objects are not
    used as standalone entities, but rather embedded within an aggregate of
    different types, i.e. a triple. Depending on the **large   object** 's
    size and access probability, query performance is determined by the
    representation of the large object: either inlined within the aggregate
    or swapped out to a separate object. This paper describes a sound and
    general large object interface extension which automatically switches
    the representation of **large   objects** according to their actual **size**
    . The optimum threshold **size** for switching the **large   object** 's